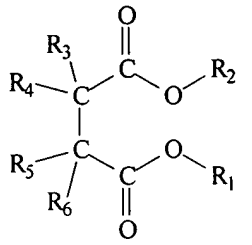
## AMENDMENTS TO THE CLAIMS

1. (currently amended) A solid catalyst component for the (co)polymerization of olefins comprising titanium, magnesium, halogen and a succinate which is ~~obtainable~~obtained by a process comprising the following steps:
   (a) dissolving a halide of magnesium in a solvent system comprising an organic epoxy compound or an organic phosphorus compound and optionally an inert diluent, ~~to form~~thereby forming a solution;
   (b) mixing the ~~obtained~~ solution of step (a) with a titanium compound, ~~to form~~thereby forming a mixture;
   (c) precipitating a first solid from the mixture ~~obtained in~~ of step (b) in the presence of at least one of a succinate ~~and/or~~and an auxiliary precipitant;
   (d) if a succinate is not used in step (c), contacting the first solid ~~obtained in~~of step (c) with a succinate, thereby forming a second solid, and
   (e) treating the solid ~~obtained in~~of step (c) or (d) with a titanium compound optionally in the presence of an inert diluent.
2. (currently amended) The catalyst component according to claim 1 ~~characterized in that said~~wherein the auxiliary precipitant is selected from organic anhydrides, organic acids, ethers, aldehydes and ketones.
3. (currently amended) The catalyst component according to claim 1 ~~characterized in that said~~ wherein the auxiliary precipitant is selected from acetic anhydride, phthalic anhydride, succinic anhydride, maleic anhydride, pyromellitic dianhydride, acetic acid, propionic acid, butyric acid, acrylic acid, methacrylic acid, acetone, methyl ethyl ketone, benzophenone, dimethyl ether, diethyl ether, dipropyl ether, dibutyl ether, diamyl ether and ~~any combination~~mixtures thereof.
4. (currently amended) The catalyst component according to claim 1 ~~characterized in that said~~ wherein the halide of magnesium ~~halide~~ is magnesium dichloride.
5. (currently amended) The catalyst component according to claim 1 ~~characterized in that~~wherein the organic epoxy compound is selected from the group consisting of oxides of aliphatic olefins, aliphatic diolefins, halogenated aliphatic olefins, ~~and~~ halogenated aliphatic diolefins, glycidyl ethers, and cyclic ethers, ~~and the like~~ the organic epoxy compound having

2-8 carbon atoms.

6. (currently amended) The catalyst component according to claim 1 ~~characterized in that~~wherein the titanium compound has the formula $TiX_n(OR)_{4-n}$ wherein X is a halogen, each R is independently a hydrocarbyl group and n is an integer of from 0 to 4.
7. (currently amended) The catalyst component according to claim 6 ~~characterized in that~~wherein the titanium compound is selected from the group consisting of titanium tetrachloride, titanium tetrabromide, titanium tetraiolide, tetrabutoxy titanium, tetraethoxy titanium, chlorotriethoxy titanium, dichlorodiethoxy titanium, and trichloroethoxy titanium ~~and the like~~.
8. (currently amended) The catalyst component according to claim 1 ~~characterized in that~~wherein the succinate is selected from those having the formula (I) :



(I)

wherein the radicals $R_1$ and $R_2$, equal to or different from each other, are a $C_1$-$C_{20}$ linear or branched alkyl, alkenyl, cycloalkyl, aryl, arylalkyl or alkylaryl group, optionally containing heteroatoms; the radicals $R_3$ to $R_6$ equal to or different from each other, are hydrogen or a $C_1$-$C_{20}$ linear or branched alkyl, alkenyl, cycloalkyl, aryl, arylalkyl or alkylaryl group, optionally containing heteroatoms, further, the radicals $R_3$ to $R_6$ can be linked together to form a cycle.

9. (currently amended) The catalyst component according to claim 8 ~~characterized in that~~ wherein in the succinate of formula (I), $R_1$ and $R_2$ are $C_1$-$C_8$ alkyl, cycloalkyl, aryl, arylalkyl and alkylaryl groups.
10. (currently amended) The catalyst component according to claim 8 ~~characterized in that~~ wherein in the succinate of formula (I), $R_3$ to $R_5$ are hydrogen and $R_6$ is a branched alkyl, cycloalkyl, aryl, arylalkyl and alkylaryl radical having from 3 to 10 carbon atoms.
11. (currently amended) The catalyst component according to claim 8 ~~characterized in that~~wherein in the succinate of formula (I), at least two radicals from $R_3$ to $R_6$ are different

from hydrogen and are selected from $C_1$-$C_{20}$ linear or branched alkyl, alkenyl, cycloalkyl, aryl, arylalkyl or alkylaryl group, optionally containing heteroatoms.

12. (currently amended) The catalyst component according to claim 11 ~~characterized in that~~wherein in the succinate of formula (I), the at least two radicals from $R_3$ to $R_6$ different from hydrogen are linked to different carbon atoms.

13. (currently amended) ~~Catalyst~~A catalyst for the polymerization of olefins $CH_2$=CHR, in which R is hydrogen or a hydrocarbyl radical with 1-12 carbon atoms, comprising the product of the reaction between: (A) ~~the~~a solid catalyst component ~~according to anyone of the claims 1-12,~~ comprising titanium, magnesium, halogen and a succinate which is obtained by a process comprising the following steps:

    (a) dissolving a halide of magnesium in a solvent system comprising an organic epoxy compound or an organic phosphorus compound and optionally an inert diluent, thereby forming a solution;

    (b) mixing the solution of step (a) with a titanium compound, thereby forming a mixture;

    (c) precipitating a first solid from the mixture of step (b) in the presence of at least one of a succinate and an auxiliary precipitant;

    (d) if a succinate is not used in step (c), contacting the first solid of step (c) with a succinate, thereby forming a second solid, and

    (e) treating the solid of step (c) or (d) with a titanium compound optionally in the presence of an inert diluent;

    (B) an alkylaluminum compound; and, optionally, (C) ~~one or more electron-donor compounds~~at least one electron-donor compound (external donor).

14. (original) The catalyst according to claim 13 in which the alkylaluminum compound ~~(b)~~(B) is a trialkyl aluminum compound.

15. (currently amended) The catalyst according to claim 13 in which the external donor (C) is a silicon compound of formula[[.]] $R_a^5R_b^6Si(OR^7)_c$, where a and b are ~~integer~~integers from 0 to 2, c is an integer from 1 to 4 and the sum (a+b+c) is 4; $R^5$, $R^6$ and $R^7$ are alkyl, cycloalkyl or aryl radicals with 1-18 carbon atoms optionally containing heteroatoms.

16. (original) The catalyst according to claim 15 in which a is 1, b is 1 and c is 2.

17. (currently amended) The catalyst according to claim 15 in which at least one of $R^5$ ~~and/or~~and $R^6$ are branched alkyl, cycloalkyl or aryl groups with 3-10 carbon atoms optionally containing

heteroatoms and $R^7$ is a $C_1$-$C_{10}$ alkyl group~~, in particular methyl~~.

18. (original) The catalyst according to claim 15 in which a is 0, c is 3 and $R^6$ is a branched alkyl or cycloalkyl group and $R^7$ is methyl.

19. (currently amended) ~~Process~~A process for the (co)polymerization of olefins $CH_2$=CHR, in which R is hydrogen or a hydrocarbyl radical with 1-12 carbon atoms, carried out in the presence of a catalyst ~~according to anyone of claims 13-18~~
comprising the product of the reaction between: (A) a solid catalyst component
comprising titanium, magnesium, halogen and a succinate which is obtained by a process comprising the following steps:
    (a) dissolving a halide of magnesium in a solvent system comprising an organic epoxy compound or an organic phosphorus compound and optionally an inert diluent thereby forming a solution;
    (b) mixing the solution of step (a) with a titanium compound, thereby forming a mixture;
    (c) precipitating a first solid from the mixture of step (b) in the presence of at least one of a succinate and an auxiliary precipitant;
    (d) if a succinate is not used in step (c), contacting the solid of step (c) with a succinate, thereby forming a second solid, and
    (e) treating the solid of step (c) or (d) with a titanium compound optionally in the presence of an inert diluent;
(B) an alkylaluminum compound; and, optionally, (C) at least one electron-donor compound (external donor).

20. (new) The catalyst according to claim 17 wherein the $C_1$-$C_{10}$ alkyl group is methyl.